

DD-4J1-F2A Data Sheet v1.1

XXXX Pol,1695-2690/1695-2690/1695-2690/1695-2690MHz
 33/33/33/33 Horizontal Beamwidth,20.0/20.0/20.0/20.0dBi
 E-tilt:2-12/2-12/2-12/2-12
 2.2m 8-Port 4M Antenna with Integrated RCU

Electrical Properties(BASTA 11.1)

Frequency Band(MHz)	1695-2690(Y1,Y2,Y3,Y4)			
	1695-1990	1920-2200	2300-2400	2490-2690
Polarization	±45°			
Gain(dBi)	17.8±0.8	18.2±0.8	18.6±0.5	19.2±0.8
Horizontal 3dB Beam Width(°)	42±5	39±5	32±3	31±3
Vertical 3dB Beam Width(°)	8.6±0.8	7.9±0.8	6.5±0.4	6.3±0.4
Front to Back Ratio at 180±30°(dB)	25	25	25	25
Cross Polar Ratio at 0°(dB)	18	18	18	18
1st Upper Sidelobe Suppression(dB)	16	16	16	16
Electrical Downtilt(°)	2-12			
VSWR	< 1.5			
Cross-polar Isolation(dB)	>28			
Interband Isolation(dB)	>28			
3rd Order PIM(dBc)	< -153@2 x 43 dBm			
Impedance(Ω)	50			
Power Handling(W)	250			

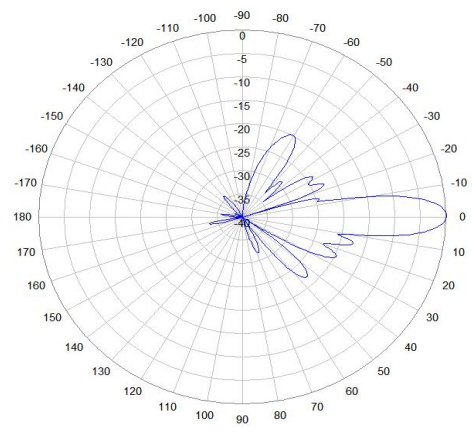
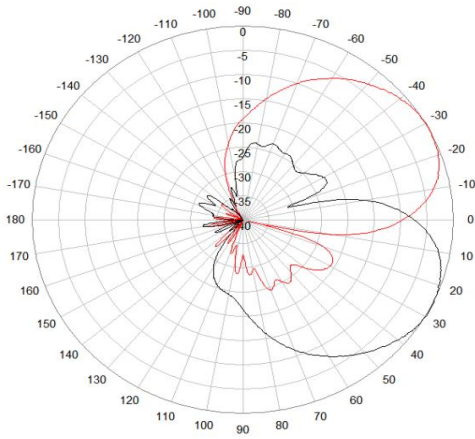
Mechanical Specifications

Antenna Dimensions (HxWxD) (mm)	2200 x 400 x 150
Packing Dimensions (HxWxD) (mm)	2415 x 470 x 230
Lightning Protection	DC Ground
Antenna Weight (kg)	27.1
Packed Weight (kg)	36.5
Connector	8 x 4.3-10 Female
Radome Material	Fiberglass
Wind Load at 150 km/h(N) (Front /Rear/Side)	1207/1271/477
Maximum Wind Speed(km/h)	200
Diameter of Installation Pole(mm)	Φ50-Φ114
Operating Temperature Range(°C)	-40-+65
RET Type	Integrated RCU
RET Protocols	AISG 2.0/3GPP

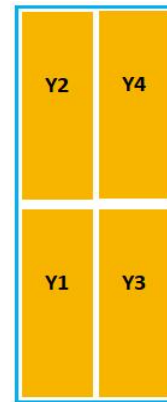
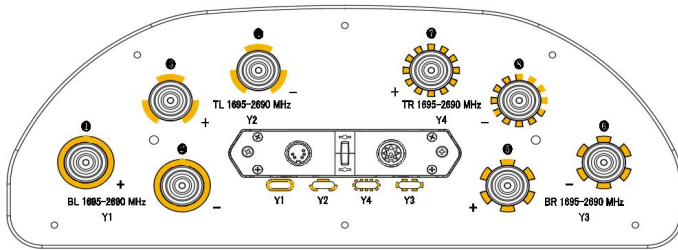


Pattern sample for reference

1695-2690MHz



Layout of interface



Array ID	RF Connector	RET(S)	Frequency(MHz)	AISG RET UID
Y1	1-2	1	1695-2690	MKxxxxxxxxxxxxxxxxY1
Y2	3-4	2	1695-2690	MKxxxxxxxxxxxxxxxxY2
Y3	5-6	3	1695-2690	MKxxxxxxxxxxxxxxxxY3
Y4	7-8	4	1695-2690	MKxxxxxxxxxxxxxxxxY4

* For more information, please refer to the specification of RET.

Accessories

Item	Item	Weight	Mechanical Tilt Range	Quantity
Mounting Kit	MJM-022-1101A	5.5kg	0-10°	1